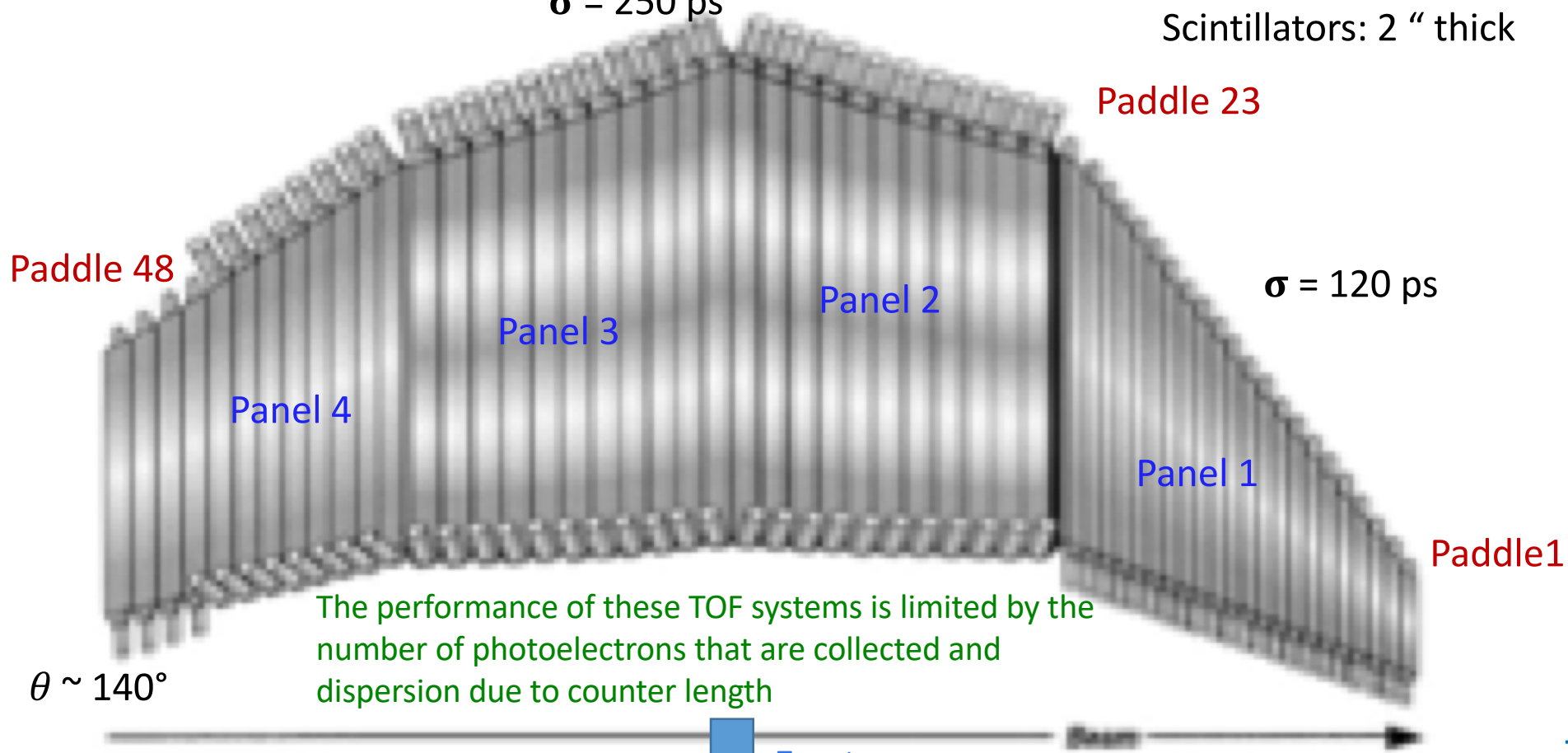


SC (TOF) scintillator allocation

$\sigma = 250$ ps

New!

Scintillators: 2 " thick



The performance of these TOF systems is limited by the number of photoelectrons that are collected and dispersion due to counter length

Target

The TOF scintillator paddles dead or inefficient for g13a.

g13a

New !

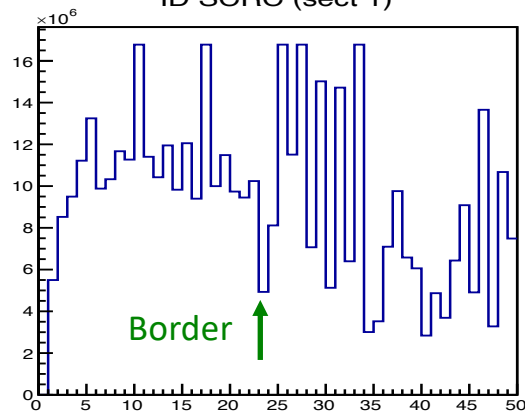
Rejected Scintillator Paddle	Reason
All Sectors - Paddle 23	Panel Overlap
All Sectors - Paddles 40 - 48	Multiplexed
Sector 1 - Paddle 6	Dead
Sector 1 - Paddles 10, 24	Inefficient
Sector 2 - Paddle 8	Dead
Sector 3 - Paddle 11	Dead
Sector 3 - Paddles 24, 35	Inefficient
Sector 5 - Paddles 24, 29, 30, 31, 37	Inefficient
Sector 6 - Paddle 10	Dead
Sector 6 - Paddles 24, 25, 31	Inefficient

From **Paul Mattione's thesis**

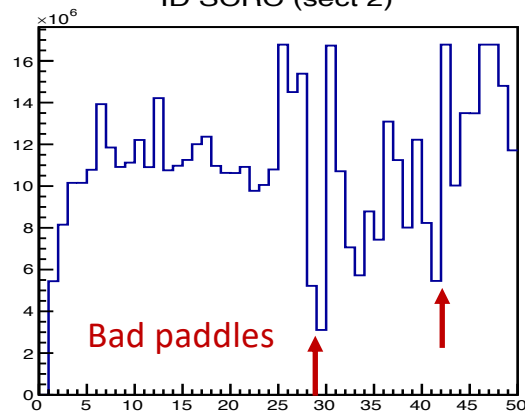
T. Kageya, g14 meeting, May 3rd, 2019

Hits on SC paddles (1 to 48) (no cuts) Last4, 5, 6 PERP

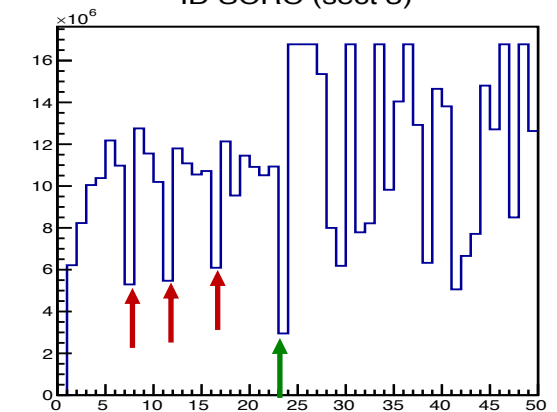
ID SCRC (sect 1) **Section 1**



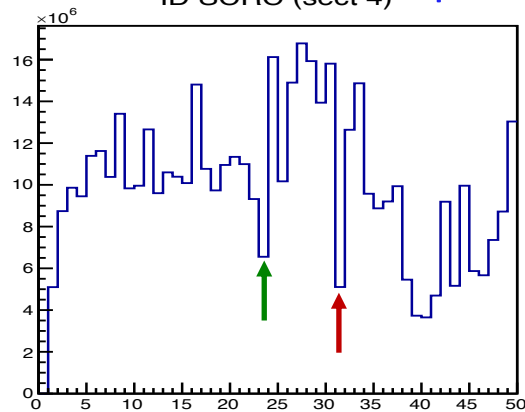
ID SCRC (sect 2) **2**



ID SCRC (sect 3) **3** *New!*

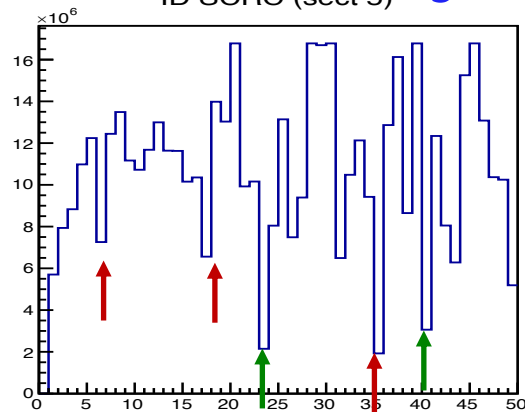


ID SCRC (sect 4) **4**



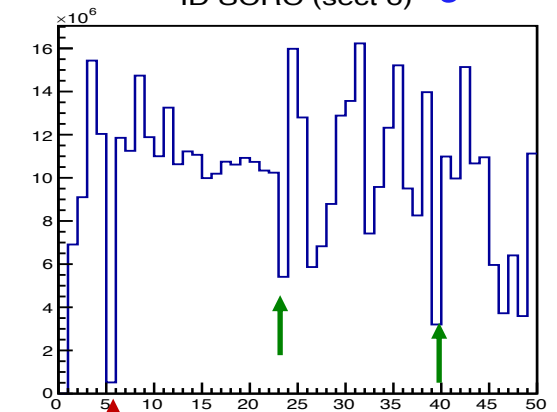
Paddle #

ID SCRC (sect 5) **5**



Paddle #

ID SCRC (sect 6) **6**



Paddle #

SC (TOF) paddle hittings for Proton and π^-

New !

